

ABSTRACT

Please replace the abstract found on page 22 of the application with the following Abstract:

Abstract

A data collection system includes a sensing device to receive a visible light signal, an optical characteristic recognition processing device to receive a signal from the sensing device, and an optical signal device adapted to generate, reflect or transmit the visible light signal onto the sensing device. The optical signal includes an optical characteristic that is perceived by the sensing device as varying as a function of a relative angle between the sensing device and the optical signal device. The optical characteristic recognition device is adapted to detect this variation and produce an output corresponding to a physical or other characteristic of the optical signal device. A gaming system, such as a computer based, console-based, arcade-based gaming system utilizes the data collection system to provide orientation data to a control system for the gaming system or to an identification mechanism for allowing access to the gaming system.